

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/715,066
Source: IFw16
Date Processed by STIC: 8/25/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/215,066</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

RAW SEQUENCE LISTING

DATE: 08/25/2006

PATENT APPLICATION: US/10/715,066

TIME: 14:11:12

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Output Set: N:\CRF4\08252006\J715066.raw

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 4 O'Brien, Timothy
 5 Beard, John
 6 Underwood, Lowell
 8 <120> TITLE OF INVENTION: CA125 Gene and Its Use for Diagnostic and Therapeutic
 9 Interventions
 11 <130> FILE REFERENCE: 022438.43867
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 C--> 13 <141> CURRENT FILING DATE: 2003-11-17
 13 <150> PRIOR APPLICATION NUMBER: 60/284,175
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 20 <151> PRIOR FILING DATE: 2001-09-27
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Does Not Comply
Corrected Diskette Needed

see p. 6-7, 9

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DATE: 08/25/2006

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338	agtcaactac	tgaaggagtc	acagattcta	gtaagggaag	cagcccaagg	ctgaacacac	7380
340	agggaaatac	agctctctcc	tcctctcttg	aaccagcta	tgctgaagga	agccagatga	7440
342	gcacaagcat	ccctctaacc	tcctctccta	caactcctga	tgtggaattc	atagggggca	7500
344	gcacattttg	gaccaaggag	gtcaccacag	ttatgacctc	agacatctcc	aagtcttcag	7560
346	caaggacaga	gtccagctca	gctaccctta	tgtccacagc	tttggaagc	actgaaaata	7620
348	caggaaaaga	aaaactcaga	actgcctcta	tggatcttcc	atctccaact	ccatcaatgg	7680
350	aggtgacacc	atggattttc	ctcactctca	gtaatgcccc	caataccaca	gattcacttg	7740
352	acctcagcca	tggggtgcac	accagctctg	cagggaactt	ggccactgac	aggtcattga	7800
354	atactggtgt	cactagagcc	tccagattgg	aaaacggctc	tgatacctct	tctaagtcct	7860
356	tgtctatggg	aaacagcact	cacacttcca	tgacttacac	agagaagagt	gaagtgtctt	7920
358	cttcaatcca	tccccgacct	gagacctcag	ctcctggagc	agagaccact	ttgacttcca	7980
360	ctcctggaaa	cagggccata	agcttaacat	tgcctttttc	atccattcca	gtggaagaag	8040
362	tcattttctac	aggcataacc	tcaggaccag	acatcaactc	agcaccatg	acacattctc	8100
364	ccatcacccc	accaacaatt	gtatggacca	gtacaggcac	aattgaacag	tccactcaac	8160
366	cactacatgc	agttttctta	gaaaaagttt	ctgtgcagac	acagtcaact	ccatatgtca	8220
368	actctgtggc	agtgtctgct	tcccctaccc	atgagaattc	agtctcttct	ggaagcagca	8280
370	catcctctcc	atattcctca	gcctcacttg	aatccttgga	ttccacaatc	agtaggagga	8340
372	atgcaatcac	ttcctggcta	tgggacctca	ctacatctct	ccccactaca	acttggccaa	8400
374	gtactagttt	atctgaggca	ctgtcctcag	gccattctgg	ggtttcaaac	ccaagttcaa	8460
376	ctagactaga	attttcactc	ttttcagctg	catccacatc	tgtctctaag	caaagaaatc	8520
378	cagaaacaga	gacctcgggt	ccccagaata	cagccgcgag	tactttgaac	actgatgcat	8580
380	cctcggtcac	aggtctttct	gagactcctg	tgggggcaag	tatcagctct	gaagtccctc	8640
382	ttccaatggc	cataacttct	agatcagatg	tttctggcct	tacatctgag	agtactgcta	8700
384	acccgagttt	aggcacagcc	tcttcagcag	ggaccaaatt	aactaggaca	atatccctgc	8760
386	ccacttcaga	gtctttgggt	tccttttagaa	tgaacaagga	tccatggaca	gtgtcaatcc	8820
388	ctttggggtc	ccatccaact	actaatcacg	aaacaagcat	cccagtaaac	agcgcaggtc	8880
390	cacctggctt	gtccacagta	gcatcagatg	taattgacac	accttcagat	ggggctgaga	8940
392	gtattccccc	tgtctccttt	tccccctccc	ctgatactga	agtgacaact	atctcacatt	9000
394	tcccagaaaa	gacaactcat	tcatttagaa	ccatttcctc	tctcactcat	gagttgactt	9060
396	caagagtgc	acctattcct	ggggatttga	tgagttcagc	tatgtctaca	aagcccacag	9120
398	gagccagtc	ctccattaca	ctgggagaga	gaaggacaat	cacctctgct	gtccaacca	9180
400	cttcccccat	agttctcact	gctagtttca	cagagaccag	cacagtttca	ctggataatg	9240
402	aaactacagt	aaaaacctca	gatatccttg	acgcacggaa	aacaaatgag	ctccccctcag	9300
404	atagcagttc	ttctttctgat	ctgatcaaca	cctccatagc	ttcttcaact	atggatgtca	9360
406	ctaaaacagc	ctccatcagt	cccactagca	tctcaggaat	gacagcaagt	tcctccccat	9420
408	ctctcttctc	ttcagataga	ccccagggtc	ccacatctac	aacagagaca	aatacagcca	9480
410	cctctccatc	tgtttccagt	aacacctatt	ctcttgatgg	gggctccaat	gtgggtggca	9540
412	ctccatccac	tttaccaccc	tttacaatca	cccacctgt	cgagacaagc	tcggccctat	9600
414	tagcctggtc	tagaccagta	agaactttca	gcacctgggt	cagcactgac	actgcctccg	9660
416	gagaaaatcc	tacctctagc	aattctgtgg	tgacttctgt	tccagcacca	ggtacatgga	9720
418	ccagtgtagg	cagtactact	gacttaacct	ccattgggctt	tctcaagaca	agtcctgcag	9780
420	gagaggcaca	ctcacttcta	gcatcaacta	ttgaaccagc	cactgccttc	actccccatc	9840
422	tctcagcagc	agtggctcact	ggatccagtg	ctacatcaga	agccagtctt	ctcactacga	9900
424	gtgaaagcaa	agccattcat	tcttcaccac	agaccccaac	tacaccacc	tctggagcaa	9960
426	actgggaaac	ttcagctact	cctgagagcc	ttttggtagt	cactgagact	tcagacacaa	10020
428	cacttacctc	aaagattttg	gtcacagata	ccatcttggt	ttcaactgtg	tccagccac	10080
430	cttctaaatt	tccaagtacg	gggactctgt	ctggagcttc	cttcctact	ttactcccgg	10140

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/715,066

DATE: 08/25/2006
 TIME: 14:11:13

FYI

Input Set : A:\022438.43867(pct2).ST25.txt
 Output Set: N:\CRF4\08252006\J715066.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 34420,34421,34422,34423,34424,34425,34426,34427,34428,34429
 Seq#:1; N Pos. 34430,34431,34432,34433,34434,34435,34436,34437,34438,34439
 Seq#:1; N Pos. 34440,34441,34442,34443,34444,34445,34446,34447,34448,34449
 Seq#:1; N Pos. 34450,34451,34452,34453,34454,34455,34456,34457,34458,34459
 Seq#:1; N Pos. 34460,34461,34462,34463,34464,34465,34466,34467,34468,34469
 Seq#:1; N Pos. 34470,34471,34472,34473,34474,34475,34476,34477,34478,34479
 Seq#:1; N Pos. 34480,34481,34482,34483,34484,34485,34486,34487,34488,34489
 Seq#:1; N Pos. 34490,34491,34492,34493,34494,34495,34496,34497,34498,34499
 Seq#:1; N Pos. 34500,34501,34502,34503,34504,34505,34506,34507,34508,34509
 Seq#:1; N Pos. 34510,34511,34512,34513,34514,34515,34516,34517,34518,34519
 Seq#:1; N Pos. 34520,34521,34522,34523,34524,34525,34526,34527,34528,34529
 Seq#:1; N Pos. 34530,34531,34532,34533,34534,39715,39716,39717,39718,39719
 Seq#:1; N Pos. 39720,39721,39722,39723,39724,39725,39726,39727,39728,39729
 Seq#:1; N Pos. 39730,39731,39732,39733,39734,39735,39736,39737,39738,39739
 Seq#:1; N Pos. 39740,39741,39742,39743,39744,39745,39746,39747,39748,39749
 Seq#:1; N Pos. 39750,39751,39752,39753,39754,39755,39756,39757,39758,39759
 Seq#:1; N Pos. 39760,39761,39762,39763,39764,39765,39766,39767,39768,39769
 Seq#:1; N Pos. 39770,39771
 Seq#:2; N Pos. 2126,2127,2128,2129,2130,2131,2132,2133,2134,2135,2136,2137
 Seq#:2; N Pos. 2138,2139,2140,2141,2142,2143,2144,2145,2146,2147,2148,2149
 Seq#:2; N Pos. 2150,2151,2152,2153,2154,2155,2156,2157,2158,2159,2160,2161
 Seq#:2; N Pos. 2162,2163,2164,2165,2166,2167,2168,2169,2170,2171,2172,2173
 Seq#:2; N Pos. 2174,2175,2176,2177,2178,2179,2180,2181,2182,2183,2184,2185
 Seq#:2; N Pos. 2186,2187,2188,2189,2190,2191,2192,2193,2194,2195,2196,2197
 Seq#:2; N Pos. 2198,2199,2200,2201,2202,2203,2204,2205,2206,2207,2208,2209
 Seq#:2; N Pos. 2210,2211,2212,2213,2214,2215,2216,2217,2218,2219,2220,2221
 Seq#:2; N Pos. 2222,2223,2224,2225,2226,2227,2228,2229,2230,2231,2232,2233
 Seq#:2; N Pos. 2234,2235,2236,2237,2238,2239,2240,2241,2242,2243,2244,2245
 Seq#:2; N Pos. 2246,2247,2248,2249,2250,10082,10083,10084,10085,10086,10087
 Seq#:2; N Pos. 10088,10089,10090,10091,10092,10093,10094,10095,10096,10097
 Seq#:2; N Pos. 10098,10099,10100,10101,10102,10103,10104,10105,10106,10107
 Seq#:2; N Pos. 10108,10109,10110,10111,10112,10113,10114,10115,10116,10117
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 Seq#:2; N Pos. 10158,10159,10160,10161,10162,10163,10164,10165,10166,10167
 Seq#:2; N Pos. 10168,10169,10170,10171,10172,10173,10174,10175,10176,10177
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 Seq#:2; N Pos. 12044,12045,12046,12047,12048,12049,12050,12051,12052,12053
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 Seq#:2; N Pos. 12064,12065,12066,12067,12068,12069,12070,12071,12072,12073

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/715,066

DATE: 08/25/2006
TIME: 14:11:13

Input Set : A:\022438.43867(pct2).ST25.txt
Output Set: N:\CRF4\08252006\J715066.raw

Seq#:2; N Pos. 12074,12075,12076,12077,12078,12079,12080,12081,12082,12083
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Seq#:2; N Pos. 12094,12095,12096,12097,12098,12099,12100,12101,12102,12103
Seq#:2; N Pos. 12104,12105,12106,12107,12108,12109,12110,12111,12112,12113
Seq#:2; N Pos. 12114,12115,12116,12117,12118,12119,12120,12121,12122,12123
Seq#:2; N Pos. 12124,12125,12126,12127,12128,12129,12130,12131,12132,12133
Seq#:2; N Pos. 12134,12135,12136,12137,12138,12139,12140,12141,12142,12143

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/715,066

DATE: 08/25/2006

TIME: 14:11:13

Input Set : A:\022438.43867(pct2).ST25.txt

Output Set: N:\CRF4\08252006\J715066.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:34380
M:341 Repeated in SeqNo=1
L:2366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:2100
M:341 Repeated in SeqNo=2
L:4205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:13320
M:341 Repeated in SeqNo=3
L:9770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:38700
M:341 Repeated in SeqNo=4
L:16299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:13878
M:341 Repeated in SeqNo=5

10/7/15, 066

9

<210> 6
<211> 32
<212> DNA
<213> synthetic

invalid response. See item 10 on Error summary sheet

<400> 6
accggatcca tgggccacac agagcctggc cc

32

<210> 7
<211> 29
<212> DNA
<213> synthetic

<400> 7
tgtaagctta ggcagggagg atggagtcc

29